

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended): A system for assisting the regeneration of depollution means ~~(1)~~ associated with oxidation catalyst-forming means ~~(2)~~, and integrated in an exhaust line ~~(3)~~ of a motor vehicle diesel engine ~~(4)~~, and in which the engine ~~(4)~~ is associated with common rail means ~~(7)~~ for feeding fuel to the cylinders of the engine and adapted, at constant torque, to implement a strategy of regeneration by injecting fuel into the cylinders in at least one postinjection, the system ~~being characterized in that it comprises~~ comprising:

- detector means ~~(8)~~ for detecting a request ~~(req.RC)~~ for regeneration and thus for postinjection;
- detector means ~~(9)~~ for detecting that the vehicle accelerator pedal is being raised;
- acquisition means ~~(11)~~ for acquiring the temperature downstream from the catalyst-forming means ~~(2)~~;
- determination means ~~(8)~~ for determining, on the basis of said temperature, a maximum duration for applying postinjections during a stage in which the engine is returning to idling as a result of the accelerator pedal being raised; and
- cutoff means ~~(7, 8)~~ for immediately cutting off the or each postinjection as soon as the duration of postinjection use has reached the predetermined maximum duration of application.

2. (Currently amended): A system according to claim 1, ~~characterized in that~~ wherein the depollution means ~~(1)~~ comprise a particle filter.

3. (Currently amended): A system according to claim 1 ~~or claim 2, characterized in that,~~ wherein the depollution means ~~(1)~~ comprise

a NOx trap.

4. (Currently amended): A system according to ~~any preceding claim, characterized in that~~claim 1, wherein the fuel includes an additive for becoming deposited together with the particles with which it is mixed on the depollution means ~~(1)~~—in order to facilitate regeneration thereof.

5. (Currently amended): A system according to ~~any one of claims~~claim 1 to 3, characterized in that, wherein the fuel includes an additive forming a NOx trap.

6. (Currently amended): A system according to ~~any preceding claim, characterized in that~~ 1, wherein the engine is associated with a turbocharger ~~(5, 6)~~.